CARLETON UNIVERSITY

Ottawa, Ontario

Canada

121st Convocation

Saturday, June 14, 2003

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Convocation at Carleton University 2

Saturday, June 14, 9:00 a.m.
Honorary Degree Recipient, William Wallace 6
High School Teaching Award Recipient, Roger Taguchi 7

Order of Proceedings 9

Doctor of Philosophy from the Faculty of Engineering (Aerospace, Civil, Mechanical Engineering); Master of Applied Science (Aerospace, Civil, Environmental, and Mechanical Engineering); Master of Engineering (Civil Engineering); Master of Architecture; Bachelor of Engineering (Aerospace, Civil, Environmental, and Mechanical Engineering); Bachelor of Architecture; Bachelor of Architectural Studies; Bachelor of Industrial Design

Saturday, June 14, 12:30 p.m.
Order of Proceedings 19

Doctor of Philosophy from the Faculty of Engineering (Electrical Engineering); Master of Applied Science (Electrical Engineering); Master of Engineering (Electrical Engineering and Telecommunications Technology Management); Bachelor of Engineering (Communications, Computer Systems, Electrical Engineering and Engineering Physics)

Saturday, June 14, 4:00 p.m.
Honorary Degree Recipient, Lawrence M. Krauss 28
High School Teaching Award Recipient, Ching Lim..... 29

Order of Proceedings 31

Doctor of Philosophy from the Faculty Science and the School of Computer Science; Master of Science; Master of Computer Science; Bachelor of Science (Honours); Bachelor of Science; Bachelor of Mathematics (Honours); Bachelor of Mathematics; Bachelor of Computer Science (Honours)

Medallists in the Graduating Class 45

The Convocation ceremony (the calling together of the academic assembly) has its roots in university traditions of medieval Europe.

The Mace
The mace is a staff symbolizing authority. In the days of knighthood, it was a weapon, but after the 16th century it became solely a symbol of authority carried by a distinguished member of an assembly. It is used on ceremonial occasions to signify the right of an individual or institution to perform a certain function—in the case of universities, to grant degrees.

At Convocation, the mace is carried ahead of the Chancellor as he enters and leaves each ceremony. During the ceremony the mace is displayed on a special stand as an embodiment of the authority of the University.

Carleton's mace was presented to the University in 1976 as a gift from the Chair of the Board of Governors at that time, Mr. Hyman Soloway. It is a silver-plated staff approximately three feet long. At the upper end there is a bowl marked with the University's coat of arms and the University motto in both Latin and English— "Opera Nobis Aeterna" and "Ours the Task Eternal." From the upper portion of the bowl rises a phoenix. Traditional oak leaves surround the lower end of the staff.

Coat of Arms
The coat of arms was presented to the University by His Excellency The Right Honourable Ramon John Hnatyshyn, Governor General of Canada, on November 15, 1992, as part of Carleton's 50th anniversary celebrations. It is described in heraldic terms as follows: "Sable a maple leaf Gules irradiated and charged with an open book Argent; And for a Crest: on a wreath Argent Sable and Gules a Phoenix Gules quilled and beaked Or issuing from flames proper; And for a Motto: Ours the Task Eternal; And for Supporters: on a grassy mount on either side a raven Sable beaked and membered or armed Gules."

The open book on the maple leaf signifies that Carleton University is in the nation's capital and that learning is open to all who wish to partake of it. The phoenix, the legendary eternal bird, symbolizes the renewing of learning from older foundations, in recognition of Henry Marshall Tory's role in the founding of the University when he was 78 years old. "Ours the Task Eternal" is taken from a Walt Whitman poem entitled "Pioneers" and ties in with the eternal quality of the phoenix.

And so, the Carleton University coat of arms symbolizes sound learning, good citizenship, and the highest hopes of humanity.

The Diploma
The diploma the graduates receive at Convocation is the certificate of qualification which publishes the fact that the student has fulfilled all the requirements and completed the prescribed course of study for the degree. As the senior academic legislative body of the University, it is the Senate which has determined whether the requirements have been met. The signatures of both the Chancellor and the President of the University appear on the diploma: the Chancellor because of his role in conferring the degree, and the President who, as Chair of Senate, certifies that Senate has enacted the required motion to award the degree. The Seal of the University is affixed to the diploma as a mark of authentication.

Academic Dress
The academic dress of Carleton University results from a compromise between that found in the ancient foundations of Britain and Canada and the American Intercollegiate Code. All three hoods—bachelor's, master's, and doctor's —are of the simple or Oxford shape. The bachelor's hood is made of black stuff; the master's and doctor's are made of black silk and all are lined with silver silk with two chevrons, one of red and one of black. From bachelor's to doctor's, the hoods are progressively longer and opened to show more and more of the lining.

The velvet border of the hoods denotes the degrees granted according to the following colour combinations: applied science is orange with a black cord sewn slightly in from the lower border; architecture is cerise; architectural studies is cerise with a black cord sewn slightly in from the lower border; arts is white; commerce is camel brown; computer science is royal blue; engineering is orange; humanities is white with a red cord sewn slightly in from the lower border; industrial design is dark cardinal; international business is camel brown with a red cord sewn slightly in from the lower border; journalism is white with a black cord sewn slightly in from the lower border; management studies and business administration is camel brown with a black cord sewn slightly in from the lower border; mathematics is hunter green; music is venetian pink; public administration is peacock blue; public affairs and policy management is teal with a gold cord sewn slightly in from the lower border; science is golden yellow; social work is cream; and doctor of philosophy is purple.

The master's and bachelor's gowns, to be worn with the above hoods, are of full length, made of black stuff, with a gathered yoke behind, and long open-fronted sleeves. The doctoral gown is of full-style, made of fine royal blue cloth with facings of light blue silk, with a full gathered yoke behind, and closed sleeves with an opening at the elbows.

The two shades of blue in the doctoral gown are those of the United Nations, and are meant to recognize the University's long-standing interest, from its earliest years, in international affairs and issues. The colours were chosen when the University awarded its first honorary degree, in 1954, to the second Secretary General of the United Nations, the late Dag Hammarskjöld. The tradition of awarding honorary degrees to Secretaries General of the United Nations has continued since that time.

The gown of the honorary Doctor of Laws, Literature, Music, Science, Engineering, Architecture or Fine Arts is a full robe with bell-shaped sleeves. It is made of fine royal blue cloth with facings and sleeves in light blue silk. The hood is made of the same material as the gown, has the same lining as that for the degrees granted by examination, and is bordered with dark mauve for the degree of Doctor of Laws; vibrant blue for the degree of Doctor of Literature; venetian pink for the degree of Doctor of Music; red for the degree of Doctor of Science; orange for the degree of Doctor of Engineering; cerise for the degree of Doctor of Architecture; and dark cardinal for the degree of Doctor of Fine Arts.

Alumni Park

Weather permitting, today's Convocation ceremonies are being held outdoors in Alumni Park which was dedicated in 1992, at the initiative of the Carleton University Alumni Association, to commemorate the University's 50th anniversary. The arbour under which the Chancellor, the President and Vice-Chancellor, the representative of the Board of Governors, and the faculty are seated is a generous gift from the Association. It provides a permanent stage for Carleton's Convocation ceremonies and other events such as theatrical productions, concerts, and the like. Future plans for the Park include an enhancement of the existing fountain area with the construction of a plaza and landscaping to open up views to the Rideau River.

The Presiding Officer of Convocation is the Chancellor Emeritus of the University, Arthur Kroeger, C.C., M.A., LL.D.

Accompanying him on the podium are Ross Donaldson, B.A., M.A., representing the Board of Governors at the 9:00 a.m. and 12:30 p.m. ceremonies, Gail Larose, B.A., M.A., representing the Board of Governors at the 4:00 p.m. ceremony, and Richard J. Van Loon, B.Sc., M.A., Ph.D., President and Vice-Chancellor.

Assisting the Chancellor Emeritus are:

Chong H. Chan, B.Sc., M.A.Sc., Ph.D., P.Eng.
Professor of Engineering
Clerk of Senate
and Marshal of Convocation

Brian C. Mortimer, B.Sc., M.Sc., Ph.D.
Associate Professor of Mathematics
Associate Dean of Students (Special Projects)
and Associate Marshal of Convocation

Donald L. Bailey, B.Eng., M.Eng.
Lecturer in Engineering
and Beadle of Convocation

John Blenkinsop, B.Sc., M.Sc., Ph.D.
Associate Professor of Earth Sciences
and Beadle of Convocation

Yvon P. Cazabon, Dipl.Arch.Tech., B.Arch., M.Arch.
Assistant Professor of Architecture
and Beadle of Convocation

Lois Frankel, B.F.A., M.E.Des.
Assistant Professor of Industrial Design
and Beadle of Convocation

Carleton University is a national leader in providing high quality post-secondary education to over 20,000 full- and part-time students at the undergraduate and graduate levels. Located in Canada's capital, Carleton has revitalized its commitment to academic excellence in public affairs and management and high technology while continuing to offer strong degree programs in arts, social sciences, science, and engineering and design.

Frederick Michel, B.Sc., M.Sc., Ph.D.
Associate Professor of Earth Sciences and
Environmental Studies
and Beadle of Convocation

Thomas G. Ray, B.Eng., M.Eng.
Instructor in Engineering
and Beadle of Convocation

Cheryl Joann Schramm, B.Eng., M.Eng.
Lecturer in Engineering
and Beadle of Convocation

Cathy Pearen
Deputy Clerk of Senate and Ceremonials Officer

Also assisting at Convocation:

Carol Corkran
Acting Assistant Dean/Registrar
Faculty of Graduate Studies and Research

Lisa Ralph
Assistant Registrar-Client Services
Registrar's Office

James Riva, B.A.
Undergraduate Registrar
Registrar's Office

June Drayton-Callendar, B.S.Sc., G.C.C.R.
Maureen Fagan
Lee Hull, B.A.
Karen Johnson
Glendy Wong, B.A.
Registrar's Office, Faculty of Graduate Studies and Research

Kathleen Baldwin, B.A.
Elizabeth Dwived, B.A., M.A.
Marlene Groves
Valentina Leon, B.A.
Rita Liazza
Heather Lupton, B.Sc.
Patricia Nimmo
Mary Orser
Patricia Patrick, B.A.
Brenda Pledge B.A.
Monika St. Jean
Lisa Tsotroudis, B.A.
Registrar's Office

Pamela Mallon
Trapp Zaluska
Office of the President

Pia V. Chin, B.A.
Nanci Jolicoeur
Lin Moody, B.J., M.A.
MaryAnne Pomainville
John W. Yan, B.A.
University Communications

Margo Thomas
Senate Office

William Wallace

William Wallace, B.Sc. (Tech.), Ph.D., F.I.M., F.A.S.M., F.C.A.S.I., C.Eng., Vice-President (Technology and Infrastructure Support), National Research Council, will be awarded the degree of Doctor of Engineering, *honoris causa*, "in recognition of an outstanding contribution to aerospace research, research management, and leadership in the Canadian aerospace community."

Roger Taguchi

Department of Science
Hillcrest High School, Ottawa, Ontario

The High School Teaching Awards were established to acknowledge outstanding high school teachers in Eastern Ontario who have provided their students with the influence and inspiration to excel. Teachers are nominated for the awards by Carleton University graduating-year scholarship winners who have graduated from Eastern Ontario high schools.

Saturday, June 14, 9:00 a.m.

Chancellor Emeritus Arthur Kroeger, C.C., M.A., LL.D., presiding.

(The audience is requested to stand when the Academic Procession arrives, to remain standing until `O Canada' has been sung, and at the conclusion of the ceremony to remain until the Academic Procession has left.)

Processional Music
John Robert Coghill Jr., B.Mus. (bagpipes)
Garry Matthews (snare drum)
Craig Moffatt (bagpipes)

O Canada*
(the audience is invited to sing)

Welcome by the Master of Ceremonies
Richard J. Van Loon, B.Sc., M.A., Ph.D.
President and Vice-Chancellor

Conferring of the Degree of Doctor of Engineering, *honoris causa*, **upon**
William Wallace, B.Sc. (Tech.), Ph.D., F.I.M., F.A.S.M., F.C.A.S.I., C.Eng.
(presented by Jonathan Beddoes, B.Eng., M.Eng., Ph.D.,
Professor of Engineering, and Chair of the Department of
Mechanical and Aerospace Engineering)

Convocation Address
William Wallace

Conferring of Degrees by Examination

Warrant
Chong H. Chan, B.Sc., M.A.Sc., Ph.D., P.Eng.
Clerk of Senate

Awarding of Medals

Presentation of a High School Teaching Award to
Roger Taguchi
(presented by Leonard T. Librande, B.A., M.A., Ph.D.,
Associate Professor of Religion, and Dean of Students)

Recessional Music

*see next page for wording

O Canada! Our home and native land!

True patriot love in all thy sons command.

With glowing hearts we see thee rise,

The True North strong and free!

From far and wide, O Canada,

We stand on guard for thee.

God keep our land glorious and free!

O Canada, we stand on guard for thee.

O Canada, we stand on guard for thee.

Doctor of Philosophy

(presented by Professor A. Mingarelli, Associate Dean of the Faculty of Graduate Studies and Research)

Degrees conferred at Spring Convocation are awarded by Senate in February and in June. Degrees awarded in February are denoted by an asterisk (*)

Henry M. J. Saari
B.Eng., M.Eng. (Carleton)
Aerospace Engineering
Process Modelling of the Directional Solidification of Gas Turbine Materials
Supervisor: J.C. Beddoes

*** Wael A. E. Bekheet**
B.Sc. (Alexandria, Egypt)
Civil Engineering
Investigation of In-Situ Shear Properties of Asphalt Concrete
Supervisors: H. Abd El Halim and S. Easa

Sherif Abdel Aziz Mazek
B.Sc., M.Sc. (Military Technical College, Egypt)
Civil Engineering
Soil Structure Interaction Modeling and Analysis of Tunnel Structures
Supervisors: D. Lau and T. Law

Ali H. Mahallati
B.Eng. (Marine Engineering College, India), M.A.Sc. (T.U.N.S)
Mechanical Engineering
Aerodynamics of a Low-Pressure Turbine Airfoil Under Steady and Periodically Unsteady Conditions
Supervisor: S.A. Sjolander

Master of Applied Science

(presented by Professor A. Mingarelli, Associate Dean of the Faculty of Graduate Studies and Research)

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*** Jason Paul Dyer**
B.Eng. (Carleton)
Aerospace
Evaluation of Preventative Solutions for Fretting Fatigue Damage of TI-6242 in Aircraft Engines

Paul Trevor Harrison
B.A.Sc. (British Columbia)
Aerospace
Development and Testing of a Gyro Wheel Based Control System for the SCISAT-1 Scientific Satellite

*** Robin Blair Langtry**
B.Eng. (Carleton)
Aerospace
Prediction of Transition for Attached and Separated Shear Layers in Turbomachinery

*** Thomas Lederlin**
Dip. (L'Institut National Polytechnique de Grenoble, France)
Aerospace
A Model of Bio-Oil Evaporation for Combustion Simulation

*** Martin Oliver Neuteboom**
B.Eng. (Carleton)
Aerospace
Investigation of Reversal Phenomena in Forebody Vortex Manipulation by Forward Facing Nozzles

Caroline Ruth Saxton
B.Sc. (Queen's)
Aerospace
Modelling and Stability Analysis of a Composite Helicopter Rotor Blade with Integrated Active Fibres

Babak Ansari
B.Sc. (B.I.H.E., Iran)
Civil
Maintenance of Design Aids in a Handbook of Steel Construction

*** Peyman Rouhani**
B.Sc. (B.I.H.E., Iran)
Civil
Impacts of Hydraulic and Constituent Loading on a Combined Passive System for the Treatment of Acid Mine Drainage

Tareq Salloum
B.Sc. (Damascus, Syria)
Civil
Using the Impulse Response Technique to Estimate the Length of In-Situ Soil Nails

Karina Lange
B.Eng. (Carleton)
Environmental
Physical and Numerical Modelling of a Dual Porosity Fractured Rock Surrounding an In-Pit Uranium Tailings Management Facility

Adeyemi James Akangbe
B.Sc. (Obafemi Awolowo, Nigeria)
Mechanical
An Atomistic Study of Dislocation Interactions With the (Ni/Ni Al) Interface of a Nickel Based Single Crystal Super Alloy

*** Natalia Morozova**
Dip. (Rostov State, Russia)
Mechanical
Dynamic Stability Analysis of a Helicopter Blade with Adaptive Damper

Chad Michael St. Louis
B.A.Sc. (Ottawa)
Mechanical
Effects of Random Vibration, Wick Structure and Body Forces on the Capillary Limit of Heat Pipes for Electronics Cooling

Master of Engineering

(presented by Professor A. Mingarelli, Associate Dean of the Faculty of Graduate Studies and Research)

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Zheng Wang
B.Eng., M.Eng. (Chongqing Jianzhu, China)
Civil

Master of Architecture

(presented by Professor A. Mingarelli, Associate Dean of the Faculty of Graduate Studies and Research)

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*** Jason Grant-Henley**
B.Arch. (Carleton)
Fantastical Vision: An Architectural Exploration Into the Spatial Mind of Alexander Pope

*** Segun Tokunbo Orimoloye**
N.D., H.N.D. (Kwara State College of Technology, Nigeria),
M.Sc. (Strathclyde, U.K.)
Harnessing Digital Architecture for Development. The Potential Benefits of Information Technology for Contemporary Architectural Practice in Recovering Countries of Africa

Bachelor of Engineering

(presented by Associate Professor D. Russell, Associate Dean of the Faculty of Engineering and Design)

Degrees conferred at Spring Convocation are awarded by Senate in February and in June. Degrees awarded in February are denoted by an asterisk (*)

AEROSPACE

Tracy Lynn Abbott
Co-operative Education
with distinction

Catalin George Balaban

David Alexander Bales

Andrew Barkley
with distinction

Sarah-Linda Barraco
with distinction

Ryan James Beaubien
with distinction

Iain L. T. Beaudoin
Co-operative Education
with high distinction

Kathleen Bedford

Erin E. Boa

Dallas Jon Bovay
with distinction

Colin Ernest Bowser

B. Andrew Bruce
Co-operative Education
with high distinction

David Paul Buda
Co-operative Education
with high distinction

Evan D. Butler-Jones
Co-operative Education
with distinction

Eric P. Caillibot
Co-operative Education
with high distinction

Samantha June Cullen
Co-operative Education

Sean William Cullum

Mireille J. Dallaire

Jean-Philippe Davignon
B.Adm. (Ottawa)
Co-operative Education
with high distinction

Nicholas de Freitas
with distinction

Shawn Michael De Salvo
Co-operative Education
with high distinction

Elizabeth Anna den Otter
Co-operative Education
with high distinction

*** Devang Gordhanbhai Devani**

Georges Richard Dubytz
with distinction

Magali Francoise Duval
Co-operative Education
with high distinction

Steven Sam Elia
with distinction

Kristopher Ryan Ellens
Co-operative Education

Katherine D. Ellerker
Co-operative Education
with distinction

Michel Garcia
with high distinction

Derek Ian Gransden
with distinction

Fassika Fikre Hailemeskel

Michael Raymond Hildebrand
B.Sc. (Waterloo), B.Ed. (Queen's)
with high distinction

Bryan D. Hori
Co-operative Education
with distinction

James Tyler Huck

Mihaela Jekic
Co-operative Education
with high distinction

Brent James Kadler

Stephen Christopher Kenny
with high distinction

Sausan Khomusi

Natalie V. Klostranec
with high distinction

Aaron K. Knoll
Co-operative Education
with high distinction

Andrew James Little

Paul W. Malott
Co-operative Education
with distinction

Nathan Alexander McKenzie

Jennifer L. Metcalfe

Julien Methot
Co-operative Education
with distinction

Kimberly Marie Mitchell
with distinction

Casey Kiu Che Mok

Brent Louis Muio

Robert Andrew Newman
Co-operative Education
with distinction

*** Pierluigi Orsi**

Judith Marie Overton
Co-operative Education
with high distinction

Gregory Oxley
with distinction

Stanko Paleksic

Matthew Timothy Parks

Ming Ki Poon
Co-operative Education
with high distinction

Ivan Popoviç
with high distinction

Christina Marie Pullen
Co-operative Education
with distinction

Numair Quraishi

Andrew Allan Bryan Cameron Rader
with high distinction

Nanthakumar Ramachandran
Co-operative Education

Julia A. R. Retson
with high distinction

Hughanna M. Sheffield

*** Ivan Sidorovich Paradiso**

Vladimir Sklokin
with distinction

Matthew William Smith

Adam Keller Spragins
with distinction

Christopher J. Stark

Shane Storring
with high distinction

Anton Taavi Tikovt
Co-operative Education
with high distinction

Oana Alina Tinca
Co-operative Education

Marc D. Turgeon

Claude Viau

Michael Thomas Wigfield

Kevin Tyler Wolfram
with high distinction

Peter R. Wozniak

Mark William Wyville
with high distinction

Tatjana Zorič
Co-operative Education
with distinction

CIVIL

Natasha Isabelle Baird

* Asha-Rani G. Boucher-Sharma
Concentration in Management

Richard Chilisa

Barry G. Clark
with high distinction

Haoze Deng
Co-operative Education
Minor in Business
with high distinction

* Neil M. Johnston
with distinction

* Philip W. Lambert

José Gilberto Pineda Cárdenas
Concentration in Management

Kasey Alan Plante
with distinction

Ryan E. Schwindt
with high distinction

* Anne Meredith Sherwood

Ramy Hussein A. Soliman El-Basha
Concentration in Management

Videsh Sookhai
Concentration in Management

Jennifer A. Stephenson
with high distinction

Scott Albert William Taylor

Saeed Toolabi

ENVIRONMENTAL

Brian J. Henderson
B.A. (Guelph)
with high distinction

Tyler J. Hicks
with distinction

* Adnan Khalid

Isabelle Leclerc-Morin
with high distinction

Moemedi Malindah

Kagiso Meswele

David R. Molefha

Bakumbudzi Othusitse
with distinction

Laura E. Seaman
with high distinction

Gabriel Thibault
with high distinction

MECHANICAL

* Natasha K. Abraham
B.Sc. (Calgary)
Concentration in Computer-Integrated Manufacturing

* Kenneth Alexander
with high distinction

Lookman Olufemi Alli-Balogun

Amie M. Bramwell

Andrew Duncan Thomas Bruce

Allen William Francis Bryant
with distinction

* Nelson G. Cabeceiras

Dominic Chan
Concentration in Computer-Integrated Manufacturing

Marc Robert Joseph Charest
with high distinction

Paul Clarke
Concentration in Computer-Integrated Manufacturing

Jeffrey M. Corace

* Andrew Philp Cowles

Matthew James Edmonds

Helena V. Forbes
Minor in English
with distinction

Andrew Barry Forster
with distinction

Aaron Gray
Co-operative Education
with high distinction

Aimée Marie Theresa Haché
with high distinction

* Patrick Yeh-Hao Huang

Sean T. B. Hummer

Steven M. Johnson
Concentration in Computer-Integrated Manufacturing

Steven John Julien
Concentration in Computer-Integrated Manufacturing

Mark Robert Keown
Concentration in Computer-Integrated Manufacturing
with high distinction

* Gojko Krnjevic
with distinction

Raymond Lalonde
with distinction

Kristian Anthony MacKenzie

Craig MacMillan
with distinction

Karin Manning

Jeff David Manser

Timothy S. Ménégoz
with distinction

Trevor Miller

* Khaled Mohamed Rashad Nabih

Nathan Muegge

Daniel Norton
with distinction

Brendan Optis

* Diana Psihistal

Christopher Lee Pulfer
with distinction

Gregory Daniel Séguin
with distinction

Brendan J. Simons

Timothy James Smith
Co-operative Education

Christopher James Stevenson
with distinction

R. Andrew Stevenson
Co-operative Education
with distinction

Zoran Talic

Erik G. Thorsteinson

Eric A. Van Steen

David Elias Villarroel

* Matthew William Walker
Minor in Business

Ian Whitbread

Bachelor of Architecture

(presented by Professor Gulzar Haider, Director of the School of Architecture)

Degrees conferred at Spring Convocation are awarded by Senate in February and in June. Degrees awarded in February are denoted by an asterisk (*)

Usman Aziz

* Sarah L. Colven
AOCA Dip., (Ontario College of Art and Design)
with high distinction

* Peter Kalman Fodor
with distinction

Todd William Saunders Headon

Naquib Hossain

* Afshan Husain

ViLuong Huynh

Sang Yun Kim

Melanie Ann Micocci

Christopher Clarke Pretotto

Martin C. T. Sun

Bachelor of Architectural Studies

(presented by Professor Gulzar Haider, Director of the School of Architecture)

Degrees conferred at Spring Convocation are awarded by Senate in February and in June. Degrees awarded in February are denoted by an asterisk (*)

Sarah M. Amirault
with distinction

Jessica Archibald
with distinction

Tommy R. Bonhomme
with high distinction

Dariusz Jakub Boron
with distinction

Chiara Camposilvan
with high distinction

Nicholas L. De Socio
with distinction

Afnan El-Khatib

J. Jordon A. Ellis
with distinction

Melissa A. Estable-Sky

Rebecca Fernando
with distinction

Christian Forestell

Aaron J. Foster

Kalum Darshana Galle Kankanange

Mijanou Gravelle
with distinction

Cu Van Ha
with distinction

Bradley J. Hindson
with distinction

Rick Hippolite
Co-operative Education

John Michael Johnson

Loretta H. Kong
with high distinction

On Yi Lam

Anthony Chun-Tung Lau

Michelle Dawn Lee
with distinction

Janouque LeRiche
with high distinction

Eric Li
Co-operative Education
with distinction

Shirley Chua Lim

Johnny Chai-Yi Lin
with distinction

Judy Yu-Wen Lin

Ana Lukas
with high distinction

Trisha Helen M^{c}Culloch
Co-operative Education
with distinction

Amanda B. M^{c}Donald
with distinction

Liam M^{c}Donald

Jason Peter Morgan
with high distinction

Grant Thomas Oikawa
with distinction

Diana Yeon-Joo Park
with distinction

Marie A. Poirier
with distinction

Mark T. Rosen
with high distinction

Eva Russell
with distinction

Dinko Sakanović
with distinction

Patricia Salik
Co-operative Education
with distinction

Julie M. Savignac
with high distinction

Stefan Michael Schulson
with distinction

Ewa J. Senkowska
with distinction

Emira Shehu
with distinction

Anthony Sproul

Benjamin Mark T. Thomas
with distinction

Tam Tran
Co-operative Education

Aaron Konrad Zaharko Urion
with distinction

Elena Vakhrameeva
with distinction

Christine Chiahui Wang

Christopher James Warden
with distinction

Vanessa Worrell
with distinction

Kimberley Dawn Zaharko
with high distinction

Bachelor of Industrial Design

(presented by Associate Professor Martien de Leeuw, Director of the School of Industrial Design)

Degrees conferred at Spring Convocation are awarded by Senate in February and in June. Degrees awarded in February are denoted by an asterisk (*)

Jan Marko Badovinac

Louise C. Boutin
Co-operative Education
Minor in Business
with distinction

David Neilson Brighton

Gregory Paul Bryson

Robert David Benjamin Buchanan
with distinction

Jennifer Campbell
Co-operative Education
with distinction

Kimberley Rachel Cleland
with distinction

Isabel Estañ
with high distinction

Robert William Andrew Galloway-Blackburn
Minor in Psychology

Melonie A. Higashi
Minor in Business
with distinction

Thomas Hillman
with high distinction

Helena Maria Janulewicz
with distinction

Amy Jobst

Chih-Uan Kao

Tomasz J. Korzeniowski
Minor in Business
with distinction

Steve Lipstein

Alexandra Gail McDonald
with distinction

Matthew Robert Noël Menard
with distinction

Marcel Naegelkraemer
with high distinction

Ilesh Parmar
with distinction

Sergei Plishka
B.Comm. (British Columbia)
Co-operative Education
with high distinction

Andrew Smith
Co-operative Education

Chantal Trudel
B.A.(Ottawa)
with high distinction

Saturday, June 14, 12:30 p.m.

Chancellor Emeritus Arthur Kroeger, C.C., M.A., LL.D., presiding.

(The audience is requested to stand when the Academic Procession arrives, to remain standing until `O Canada' has been sung, and at the conclusion of the ceremony to remain until the Academic Procession has left.)

Processional Music
John Robert Coghill Jr., B.Mus. (bagpipes)
Garry Matthews (snare drum)
Craig Moffatt (bagpipes)

O Canada*
(the audience is invited to sing)

Welcome by the Master of Ceremonies
Richard J. Van Loon, B.Sc., M.A., Ph.D.
President and Vice-Chancellor

Convocation Address
John Knight, B.Sc., M.A.Sc., Ph.D.
Distinguished Research Professor of Engineering

Conferring of Degrees by Examination

Warrant
Chong H. Chan, B.Sc., M.A.Sc., Ph.D., P.Eng.
Clerk of Senate

Awarding of Medals

Recessional Music

*see next page for wording

O Canada

O Canada! Our home and native land!

True patriot love in all thy sons command.

With glowing hearts we see thee rise,

The True North strong and free!

From far and wide, O Canada,

We stand on guard for thee.

God keep our land glorious and free!

O Canada, we stand on guard for thee.

O Canada, we stand on guard for thee.

Doctor of Philosophy

(presented by Professor A. Mingarelli, Associate Dean of the Faculty of Graduate Studies and Research)

Degrees conferred at Spring Convocation are awarded by Senate in February and in June. Degrees awarded in February are denoted by an asterisk (*)

Leonard Dauphinee
B.Eng., M.A.Sc. (T.U.N.S.)
Electrical Engineering
A Balanced Monolithic Oscillator with Low Phase Noise Performance
Supervisors: M. Copeland and C. Plett

*** Vijaya Kumar Devabhaktuni**
B.E., M.Sc. (Birla Institute of Technology and Science, India)
Electrical Engineering
Neural Networks for RF and Microwave Design: Toward Automatic Model Generation
Supervisor: Q.J. Zhang

*** Jamal Ahmed Hijres**
B.Sc. (Leeds Polytechnic, U.K.), M.Sc. (Surrey, U.K.)
Electrical Engineering
End-to-End Performance Enhancement of W-CDMA Mobile Satellite Systems for Web Traffic
Supervisor: S. Mahmoud

*** Mostafa Ibrahim**
B.Sc., M.Sc. (Military Technical College, Egypt)
Electrical Engineering
Modeling of the Dual-Gate GaAs MESFET
Supervisor: B.A. Syrett

*** Ashraf Matrawy**
B.Sc., M.Sc. (Alexandria, Egypt)
Electrical Engineering
Network-Supported Congestion Control for Video Multicasting Over IP Networks
Supervisor: I. Lambadaris

Nikolai Soveiko
M.Sc. (Bonch-Bruevich State University of Telecommunications, Russia)
Electrical Engineering
Wavelets for Efficient Algorithms in Electronic Design Automation
Supervisor: M. Nakhla

*** Trevor Noel Yensen**
B.Eng., M.Eng. (Carleton)
Electrical Engineering
Hands-Free Terminals for Voice Over IP
Supervisors: R.A. Goubran and I. Lambadaris

Master of Applied Science

(presented by Professor A. Mingarelli, Associate Dean of the Faculty of Graduate Studies and Research)

Degrees conferred at Spring Convocation are awarded by Senate in February and in June. Degrees awarded in February are denoted by an asterisk (*)

*** Omid Afnan**
B.A.Sc. (Waterloo)
Electrical
Mobile Code for Mobile Devices: Migration for Improved Application Performance

Jorge Alberto Aguirre
B.Eng. (Carleton)
Electrical
Distributed Amplifiers Employing Constant-k and m-Derived Sections

*** Frank Onyekachi Akujobi**
B.Sc. (Obafemi Awolowo, Nigeria)
Electrical
Enhanced Mechanisms for Explicit Congestion Notification in TCP/IP Networks

*** Ehab Yousef Yassa Armanious**
B.Eng. (Ryerson Polytechnic)
Electrical
Link Adaptation Techniques for Cellular Fixed Broadband Wireless Access Systems

*** Dragoslav Culum**
B.Eng. (McMaster)
Electrical
Dynamic Fat Pipe Up-Link Resource Allocation for WCDMA Systems

Catalina Diaz Puig
B.Eng. (Superior Technical Computer Engineering School, Spain)
Electrical
Management of Ubiquitous Networks

*** Kamal Harb**
B.Eng. (Beirut Arab, Lebanon)
Electrical
Accurate Macromodeling of High-Speed Interconnects Characterized by Time-Domain Measurements

Leeshawn Lys O'Sullivan
B.Sc. (West Indies)
Electrical
Impact Analysis and Change Management of UML Models

*** Kruti Patel**
B.E. (Gujarat, India)
Electrical
XML Grammar and Parser for the Web Service Offerings Language

Lambros Pezoulas
B.A.Sc. (Waterloo)
Electrical
End-To-End Signaling and Routing for Optical IP Networks

Stephen Powell
B.Eng. (Carleton)
Electrical
A Multi functional Digital Receiver with Adaptive Filtering and Bit Synchronization

Zhihong Qian
B.Eng. (Science and Technology, China)
Electrical
Audio Mixers for Centralized VoIP Conferencing

*** Jason Elton Rose**
B.Sc. (Saint Francis Xavier)
Electrical
Development of MEMS Microwave Switches with Application to Reconfigurable Integrated Antennas

Alain Roussel
B.Sc. (New Brunswick)
Electrical
Feedforward Interference Cancellation System Applied to the 800 MHz CDMA Cellular Band

Dharmendra Saraswat
B.Eng. (Rani Durgavati Vishwavidyalaya, India)
Electrical
Passive Macromodeling of Linear Subnetworks Characterized by Measured/Simulated Data

*** Malcolm D. Stewart**
B.Eng. (Carleton)
Electrical
A 20-GHz Bipolar Varactor-Tuned VCO Using Switched Capacitors to Add Tuning Range

Hua Sun
B.Eng. (Harbin Shipbuilding Engineering Institute, China), M.Eng. (Harbin Institute of Technology, China)
Electrical
Fast Scheduling Strategies for WCDMA-High Speed Downlink Packet Access (HSDPA) System

*** Srdjan Suvakov**
B.Eng. (Belgrade, Yugoslavia)
Electrical
Design and Evaluation of a Low-Cost X-Band Synthesizer for LMDS Applications

*** Sinan Tasdoken**
B.S. (Bilkent, Turkey)
Electrical
Multi-Region Multi-Quality Coding Schemes for Medical Image Compression

*** Catherine Voyer**
B.Eng. (Sherbrooke)
Electrical
Infrared Furnace Emitter Diffusion for Solar Cells

Yihong Wang
B.Eng. (Science and Technology, China)
Electrical
Toward a Comprehensive and Systematic Methodology for Class Integration Testing

Peng Xie
B.Eng. (Xidian, China)
Electrical
Reverse Engineering C++ Software Systems by Detecting Design Patterns

Mohammadreza Yazdani
B.Sc., M.Sc. (Isfahan University of Technology, Iran)
Electrical
Construction of Irregular Rate-Compatible Low-Density Parity-Check Codes for Hybrid-ARQ Schemes at Short Block Lengths

Hao Zhang
B.Eng. (Tsinghua, China)
Electrical
Power Efficient Routing of Ad-Hoc Wireless Network Communications

Lei Zhang
B.Eng. (Tianjin)
Electrical
Knowledge-Based Neural Network Approach for Microwave Modeling and Design

Ruoyuan Zhang
B.E. (Xi'an Jiatong, China), M.Eng. (Xidian, China)
Electrical
A Scalable Algorithm for Packet Classification

*** Han Zhao**
B.Eng., M.Sc. (Shanghai Jiao Tong, China)
Electrical
Talker Detection for Multimedia Conferencing

Master of Engineering

(presented by Professor A. Mingarelli, Associate Dean of the Faculty of Graduate Studies and Research)

Degrees conferred at Spring Convocation are awarded by Senate in February and in June. Degrees awarded in February are denoted by an asterisk (*)

Premil Agarwal
B.Eng. (C.R. State College of Engineering, India)
Electrical

Rakesh Mohan Arora
B.Eng. (Shivaji, India)
Electrical
TCP/IP Networks with ECN over AQM

*** Jing Du**
B.Eng. (Tianjing, China)
Electrical

*** Haitao Mei**
B.Eng., M.Eng. (Harbin Institute of Technology, China)
Electrical

*** Turgut Abacioglu**
Dip. (Technical University of Istanbul, Turkey)
Telecommunications Technology Management

Syed Imtiazuddin Ahmed
B.Sc. (Bangladesh University of Engineering and Technology, Bangladesh)
Telecommunications Technology Management
Ontologies of Electronic Devices in DAML+OIL for Automated Product Design Services in the Semantic Web

*** Obaid Khan**
B.Sc. (Engineering and Technology, Pakistan)
Telecommunications Technology Management

*** Jorge Edgar Ochoa-Rosete**
B.S. (Institute Tecnologico y de Estudios Superiores de Monterrey, Mexico)
Telecommunications Technology Management
Coordinating Hardware and Software Development: Evidence of Success Factors

Jingjun Tao
B.Eng. (Beijing University of Posts and Telecommunications, China)
Telecommunications Technology Management

*** Louis Ho Yin Wong**
B.Sc. (Western Ontario)
Telecommunications Technology Management

Bachelor of Engineering

(presented by Associate Professor Donald Russell, Associate Dean of the Faculty of Engineering and Design)

Degrees conferred at Spring Convocation are awarded by Senate in February and in June. Degrees awarded in February are denoted by an asterisk (*)

COMMUNICATIONS

Zaid Ahmad Al Sawadi

*** Melissa Annelie Amelung-Creighton**
with distinction

Mohammad Amir
with distinction

Seva Batkin
with high distinction

Martin Joseph Carleton

*** Margaret Grace Crothers**
B.A. (Carleton)

Jacek Piotr Dmochowski
with high distinction

Erix J. Escobar
with distinction

Michael Gordon
Co-operative Education
with high distinction

Andrew Kamel
Co-operative Education
with high distinction

Wael Akram H. Mahmoud
with high distinction

Rae-Anne Moss
with distinction

Onnayang Motingwa
with distinction

Natalie Michelle Nakhla
with high distinction

Firas Nassar
with distinction

Adam T. Nesrallah
with distinction

Tshenolo Nkwe
Co-operative Education
with distinction

Daniel Joseph Olszewski
Co-operative Education
with high distinction

Gajen Piraisoody
with distinction

Alan Tshweta

Suchita Varma
with distinction

Timothy Dian Wan
Co-operative Education
with high distinction

Xia Wu
with distinction

Bingfeng Yang
with distinction

COMPUTER SYSTEMS

* Araya Abebe
with distinction

Osama Adassi

Ahmed Al-Asaad
Minor in Business
with distinction

Amro Ahmed Usama Ali
Minor in Business

Arulalagan Anandarajah
B.Eng. (Madras)

* Yalini Arulampalam

Prabhath Avadhanula

Nicolas Boggio
with distinction

Shannon Michael Borho
with high distinction

Robert William Chalmers
Co-operative Education
with high distinction

Stanley Chan
with distinction

John Daly
with high distinction

Mark David DeAbreu
Co-operative Education
with high distinction

Jeeliyana Delancharles

Rajpreet Dhillon
with distinction

Franklin Linton Donbosco

Mohamed El-Attar
with distinction

Marwa El-Hennawey
with high distinction

Abdel-Aziz El-Solh
with high distinction

Marc Faria
Co-operative Education
with high distinction

Imtiaz Fazal
Co-operative Education
with distinction

Shawn R. French
with high distinction

Dinesh Ganesasundaram

Sachin Gera
with high distinction

Christy Jeyaran Gnanapragasam
Co-operative Education
with high distinction

Clency Gnanapragasam

Mary Usha Gogireddy
B.Sc. (India)

Shan Gu
Minor in Business
with distinction

Namanan Guhanathan

Stephen Edward James Haber
with distinction

Robert E. Hardy

Scott Hasson
Co-operative Education
with high distinction

Shawn Patrick Henry
with distinction

Anthony Paul Hooper
with high distinction

Jonathan Horsman

Jey Jegathesan

Christopher M. Kafka
with high distinction

Kiritharan Kanesapillai

Wali Ahad Kazi Mohammad

Jason Howard Kelly
Co-operative Education
with high distinction

Laila Khalid

Fatima E. Khan
Co-operative Education
with high distinction

Saadia Khan
with high distinction

Jared W. W. Kitcher
with high distinction

* Selvakumar Krishnathason

Thayaparana Kumarasamy
Co-operative Education
with distinction

Mathew Lafrance
Co-operative Education
with high distinction

Kristopher Lafreniere-Kennedy

Danny Hok-Ching Lau
Co-operative Education
with high distinction

Marc LeBlanc
Co-operative Education
with high distinction

Jian Li
Co-operative Education
with high distinction

Jian Jun Li

Brock Allen Macnab

Balakumaran Mahadevan

Vijayendran Mahendran
Co-operative Education
with high distinction

Yasar Mahmood
with distinction

Frank K. F. Marumo
with distinction

Jeffrey T. M^{c}Cormick
with distinction

Matthew Gordon McParland

Shaylesh Mehta
Co-operative Education
with high distinction

Chandapiwa M. Mpuchane
Minor in Mathematics
with high distinction

Ramanan Nadarajah

Maria Nadeem
Minor in Mathematics
with distinction

Marco Nasr
Co-operative Education
with high distinction

Paul E. J. Paquette

Jan Pittner
Co-operative Education
with distinction

Sumita Ponnuchamy
B.Sc. (Toronto)
Co-operative Education
with high distinction

Armin Rahmanian
B.A. (Baha'i Institute, Iran)
with distinction

Christopher Jonathan Reichelt
with distinction

Gavin Francis Rolleston
with high distinction

Paniz Rostamkhani

Zul Amirali Sajoo

Alexandre F. Sauvé
Co-operative Education
with high distinction

Khurram Shahzad
Minor in Business
with distinction

Sivatharshini Sivakadadcham

Pawel Skorupski
with high distinction

Andrew Thoe Yee Soon
with high distinction

Perry R. Spencer
with distinction

Man-Yee Sun
Co-operative Education
with high distinction

Dieu Van Thai
with high distinction

David Anthony Tudino
with high distinction

* Jenny Van

* Deborah B. Velasquez

Ann Wen
with distinction

Linda Xavier
with high distinction

Hui Xu
B.Eng. (Shanghai University, China),
M.B.A. (Ottawa)

Rami Youssef
Minor in Mathematics
with distinction

ELECTRICAL

Abdulkadir Amin Adan
Minor in Mathematics

Julio Aguilar-Hernandez

Rubini Angaramoorthy

Nigel Dean Romuald Antoine

* Pouran Asgari

Muhammad Bilal Baig

* Araz Bay

Michael Arthur Belanger
B.Sc. (McMaster)
with high distinction

Santo Beltrocco

Nathaniel A.I. Bensimon
B.Sc. (Dalhousie)

Charles Erik Berndt
with distinction

J. Christopher Carson

Arjun Chagarlamudi
with distinction

Sean R. Charlebois

Kevin Cheung
with high distinction

Dale Chickorie

Seetha Chockalingam
with distinction

Aaron Shun Kwong Choy

Kwong Yiu Chuen

Shannon Cramp
with high distinction

* Miroslav Cugalj

Jason Dea

Mark Fairbairn
with distinction

Omid Faqihi
with distinction

* Edward Farah
Minor in Mathematics

Scott Hunter Farrell
with high distinction

Anthony Ferrante
with distinction

Céline Emmanuelle Marie Fletcher
Co-operative Education
with high distinction

* Narendran Gananathar

James Alexander Gardner

Christina George
with high distinction

Jasinthan Gopalapillai
with distinction

George Jackson Hamilton
with distinction

David Harris

Jamil Hassan

Maryam Hassanzadeh

Gregg Hodgins

Ian Hofmann
with distinction

Mark Philip Houlgate
Co-operative Education
with high distinction

Chi Leung Hung

Andrew M. Jamieson

Jarret Jennings

Wen Jiang
with high distinction

Vincent Ibrahim Karam
Co-operative Education
with high distinction

Rajendiram Kathirgamanathan
Minor in Mathematics
with distinction

Vina Kerai

Muhammad Salman Khan

Nadia Khater

Chi Kin Simon Kwan
Co-operative Education
with distinction

Stephen E. Lakoff

Alice Tze Wing Lee

* Chung Hong Leung
Minor in Business

* Ming Hong Leung

Wie-Yen Andrea Lu
with high distinction

Paul Anthony Magri
with distinction

Sawitri Mardyani
Minor in Economics
with high distinction

Akshay Mathur

George M^{c}Donald

* Hubert Miranda

Warren F. Moynihan

* Nadanakumar Mylvaganam

Srinath Myneni

* Seevaratnam Nadarajah

S. Fawad Ali Naqvi

Mohammed Adhlan Nazeemudeen
with distinction

Huy Dong Nguyen

Mathenen Nithyanandan

Harpreet Singh Panesar
Co-operative Education
with high distinction

Kavita Girish Patel
Co-operative Education
with high distinction

Sanjiv Patel
with distinction

Filipe M. Pereira

Bi Ngoc Pham
with distinction

* Rameshkumar Poopalasundaram

Vishnu Lall Premlall
B.Sc. (Guyana)

Yanping Pamela Qu
with distinction

Sugasthan Ragunathan

Rajeshwaran Rajalingam

Paul Nicholas Reid

* Mayurunn Retnajothy

Kevin Thomas Faulkner Ross
Minor in Economics

Paul Octavian Samoila

Ravimaran Santhalingam

David Savard
with distinction

* Ahmed Shalaby
Minor in Mathematics

* Vijitharan Shanmugarajah

* Sujan Shanmugasinkam

Fiona Jennifer Grace Shearer
Co-operative Education
with high distinction

Arnold Zaif Shoon
Co-operative Education

Wendy Shuster

Ping Sit

* Vilosanan Sivatharman

Craig Ashley Smith
with high distinction

Sri Kanthan Sri Pathmanathan

* Partheepan Srigunanathan

Pirakalatharan Sriskandarajah

Louise A. St.Germain
Co-operative Education
with high distinction

Michal Szczesniak
with distinction

Jackie Tam
with high distinction

Robert E. P. Taylor

Mehari Tedla

Saleem Tejani

Arulnithy Thambiah

* Ranjan Thambiaiyah

Thusiyanthan Thanabalasingham

Travis A. Tiedge
with distinction

Constatin Terry Triantafillou

Tuan D. Trinh

Yasmin Trle

Steve G. D. Trudeau

Vi Tudo

Graham R. Turner
with distinction

Derek van Gaal
with distinction

Jeyaparan Veluppillai

Luanne Cecilia Winchiu
Co-operative Education
with high distinction

Philip Wright

Xiao Xing

Janice Yu
Minor in Mathematics
with distinction

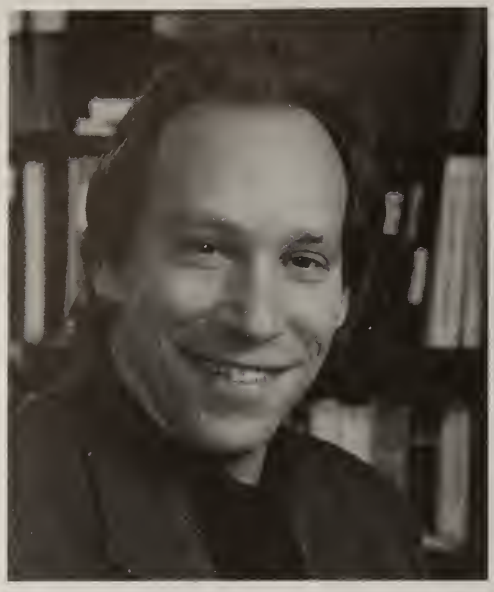
Chi-Lun Yung

* Nasr Zommo

ENGINEERING PHYSICS

Forrest Malcolm Boomer
with distinction

Clifford John Joseph Dugal
Co-operative Education
with high distinction



Lawrence M. Krauss

Lawrence M. Krauss, B.Sc., Ph.D., Professor and Chair, Department of Physics, Case Western Reserve University, will be awarded the degree of Doctor of Science, *honoris causa*, "in recognition of an outstanding contribution to the public's appreciation and knowledge of physics and its allied disciplines."

Ching Lim

Department of Mathematics
Cairine Wilson High School
Orleans, Ontario

The High School Teaching Awards were established to acknowledge outstanding high school teachers in Eastern Ontario who have provided their students with the influence and inspiration to excel. Teachers are nominated for the awards by Carleton University graduating-year scholarship winners who have graduated from Eastern Ontario high schools.

Saturday, June 14, 4:00 p.m.

Chancellor Emeritus Arthur Kroeger, C.C., M.A., LL.D., presiding.

(The audience is requested to stand when the Academic Procession arrives, to remain standing until 'O Canada' has been sung, and at the conclusion of the ceremony to remain until the Academic Procession has left.)

Processional Music
John Robert Coghill Jr., B.Mus. (bagpipes)
Garry Matthews (snare drum)
Craig Moffatt (bagpipes)

O Canada*
(the audience is invited to sing)

Welcome by the Master of Ceremonies
Richard J. Van Loon, B.Sc., M.A., Ph.D.
President and Vice-Chancellor

Conferring of the Degree of Doctor of Engineering, *honoris causa*, upon
Lawrence M. Krauss, B.Sc., Ph.D.,
(presented by Leslie A. Copley, B.Sc., M.Sc., Ph.D., Professor of Physics and Director of the College of Natural Sciences)

Convocation Address
Lawrence M. Krauss

Conferring of Degrees by Examination

Warrant
Chong H. Chan, B.Sc., M.A.Sc., Ph.D., P.Eng.
Clerk of Senate

Awarding of Medals

Presentation of a High School Teaching Award to
Ching Lim
(presented by Leonard T. Librande, B.A., M.A., Ph.D., Associate Professor of Religion, and Dean of Students)

Recessional Music

*see next page for wording

O Canada

O Canada! Our home and native land!

True patriot love in all thy sons command.

With glowing hearts we see thee rise,

The True North strong and free!

From far and wide, O Canada,

We stand on guard for thee.

God keep our land glorious and free!

O Canada, we stand on guard for thee.

O Canada, we stand on guard for thee.

Doctor of Philosophy

(presented by Professor A. Mingarelli, Associate Dean of the Faculty of Graduate Studies and Research)

Degrees conferred at Spring Convocation are awarded by Senate in February and in June. Degrees awarded in February are denoted by an asterisk (*)

Oana Cristina Micali
B.Sc. (Carleton)
Biology
On Nonself Recognition in Neurospora crassa: Macroscopic and Genetic Studies
Supervisor: M. Smith

Mihaela Maria Birau
B.Eng. (Technical University of Timisoara, Romania)
Chemistry
Novel Pentacenediquinone and Pentacene Derivatives
Supervisor: Z.Y. Wang

*** Sean F. Eddy**
B.Sc. (New Brunswick)
Chemistry
Role of Differential Gene and Protein Regulation in Hibernating Mammals
Supervisor: K. Storey

*** Jeffery D. Franklin**
B.Sc. (Carleton)
Chemistry
Development and Optimisation of Polymeric Matrices for Use in Biomolecular Devices
Supervisor: Z.Y. Wang

Daniel Robert Matusek
B.Sc. (Queen's)
Chemistry
An Examination of Elastic Collision Dynamics in Strong Infrared Laser Fields
Supervisor: J. Wright

*** James Dayre McNally**
B.Sc. (Prince Edward Island)
Chemistry
Response to Freeze Exposure by the Wood Frog, Rana Sylvatica: Investigating the Freeze Induced Changes in Transcription and Translation Patterns in Heart and Liver
Supervisor: K. Storey

Daniel Gibson
B.A. (Colgate, U.S.A.), M.Sc. (Carleton)
Earth Sciences
Structural and Thermal Evolution of the Northern Selkirk Mountains, Southeastern Canadian Cordillera: Tectonic Development of a Regional-Scale Composite Structural Fan
Supervisors: R. Brown and S. Carr

*** Karsten Schjødt Nielsen**
B.Sc., M.Sc. (Aarhus, Denmark)
Earth Sciences
Lithostratigraphy, Sequence Stratigraphy and Paleoenvironments of the Upper Colorado Group in Southern Alberta and Southwestern Saskatchewan: Definition of the Carlile and Niobrara Formations (Upper Turonian to Upper Santonian)
Supervisors: C. Schröder-Adams and D. Leckie

Vahid Dabbaghian-Abdoly
B.Sc. (Mashhad Ferdosy, Iran), M.Sc. (Tehran, Iran)
Mathematics
An Algorithm to Construct Representations of Finite Groups
Supervisor: J. Dixon

Mohamed Ali Hajji
B.Eng., M.SC. (Carleton)
Mathematics
Representation of Differential Operators in Two-Dimensional Periodic Wavelet Bases and Applications to PDEs
Supervisors: S. Melkonian and R. Vaillancourt

*** Ferenc Jacob Rolf Dalnoki-Veress**
B.Sc. (Guelph), M.Sc. (Carleton)
Physics
Specialization in High Energy Physics
The Proportional Counter Source for the Low Energy Calibration of the Sudbury Neutrino Observatory
Supervisor: C. Hargrove

*** David Waller**
B.Sc. (Alberta), M.Sc. (Queen's)
Physics
Specialization in High Energy Physics
A Study of Charm Quark Production in Beauty Quark Decays with the OPAL Detector at LEP
Supervisor: D. Karlen

Albert Chan
B.Sc. (National Taiwan, China), M.Sc. (McMaster)
Computer Science
Solving Large Graph Problems on Coarse-Grained Multicomputers
Supervisor: F. Dehne

Hassan Masum
B.Sc., M.SC. (Carleton)
Computer Science
Decomposition and Optimization in Near-Hierarchical Boolean Function Systems
Supervisor: F. Oppacher

*** Miguel Vargas Martin**
Licenciado (Autonoma de Aguascalientes, Mexico), M.Eng. (Centro de Investigacion y de Estudios Avanzadoes del Institute Politecnico Nacional, Mexico)
Computer Science
Enhancing Hyperlink Structure for Improving Web Performance
Supervisors: E. Kranakis and A. Pelc

Master of Science

(presented by Professor A. Mingarelli, Associate Dean of the Faculty of Graduate Studies and Research)

Degrees conferred at Spring Convocation are awarded by Senate in February and in June. Degrees awarded in February are denoted by an asterisk (*)

Angèle Byrd
B.Sc. (Ottawa)
Biology
Glutathione Depletion Induces Cell Death in Human NT2 Cells: Implications for Parkinson's Disease

*** Neil C. Charbonneau**
B.Sc. (Carleton)
Biology
Influence of Canopy Cover and Landscape Structure on Proportion of Alien and Shade-Intolerant Plant Species in Forest Sites

*** Samielle Hynes**
B.Sc. (Westminster, U.K.)
Biology
Soil Microcosms as Environmental Research Tools for the Study of Microorganism Gene Transfer in Soil Environments

Maxim Larivée
B.Sc. (Laval)
Biology
Effects of Wildfire and Clear-Cutting on Ground Level Spider Assemblages in a Boreal Forest

*** Mark Foto**
B.Sc. (Carleton)
Chemistry
Specialization in Chemical and Environmental Toxicology
An Analytical Method to Quantify 1,3-β-Glucan Using the LAL Assay

*** Mark William Sumarah**
B.Sc. (Saint Mary's)
Chemistry
Specialization in Chemical and Environmental Toxicology
Fermentation, Biosynthesis, and Identification of Secondary Metabolites from Penicillium Species

*** Cara A. M. Weir**
B.Sc. (Carleton)
Chemistry
Synthesis and Stability Studies of Z-β-(1-Substituted-4-Pyridinium)-α-Cyano-4-Styryldicyanomethanide Nonlinear Optical Chromophores

*** Andrew Christopher Webb**
B.Sc. (Carleton)
Earth Sciences
Regional Subsurface Correlations of Albian Sequences North of the Peace River in Northeastern British Columbia: Northward Extent of Falher and Notikewin Sands Along the Eastern Flank of the Foredeep

*** Kumari Catharine Karunaratne**
B.Sc. (Western Ontario)
Geography
N-Factors and the Relations Between Air and Surface Temperature in Discontinuous Permafrost Near Mayo, Yukon Territory

*** Phillip Brade**
B.Sc. (West Indies, Barbados)
Information and Systems Science
A Dynamic Traffic Re-assignment Algorithm Targeted for MPLS Networks

*** Yuheng Cao**
B.E. (Ho Hai, China)
Information and Systems Science

Ji Chen
B.Sc. (Northeastern, China)
Information and Systems Science
A Linear Constraint Optimization for the Displacement Operator in Map Generalization

Wenhong Chen
B.Eng. (Northwestern Polytechnic, China), M.Eng. (Tianjin, China)
Information and Systems Science
A Facility for Remote Execution and Visualization of DEVS and Cell-DEVS Models

Bo Cheng
B.Eng. (Shenyang Institute of Technology, China)
Information and Systems Science
QoS-based Routing with Dynamic Delay Constraint Blocking Island Algorithm

Yan Cui
B.Sc., M.Sc., Ph.D. (Changchun College of Optics and Fine Mechanics, China)
Information and Systems Science

Sreelatha Gopalan
B.Sc., B.Lib.I.Sc., M.Lib.I.Sc. (Bangalore, India)
Information and Systems Science

*** Zhenjiang Han**
Dip. (Beijing Electronic College, China), B.Eng. (Harbin Institute of Technology, China)
Information and Systems Science
Design Survivable WDM Mesh Network Using Path Protection

*** Gang Ji**
B.Sc. (Jiangxi, China), M.Sc. (Beijing Normal, China), Ph.D. (Bonn, Germany)
Information and Systems Science

*** Deborah J. Lapointe**
B.Eng. (McGill)
Information and Systems Science
Impulse Response Characterization and Space-Time Equalization Requirements for Fixed Broadband Wireless Systems at 29.5 GHz

*** Helen Claire Liu**
B.Eng. (Tsinghua, China), M.Eng. (Huazhong University of Science and Technology, China)
Information and Systems Science
Multilevel Performance Analysis of Scenario Specification for a Presence System

Li Lu
B.Eng., M.Eng. (Hubei, China)
Information and Systems Science
Extending XML-RL With Updates

Yucong Miao
B.Eng. (Southeast, China)
Information and Systems Science
Reverse Engineering of UML Sequence Diagrams Using Dynamic Information

Huan Qi
B.Sc. (Beijing Normal, China)
Information and Systems Science
Design and Implementation of Lightweight SNMP for Micro-Satellites Using Generative Programming

*** Patrick Joseph Tierney**
B.Sc. (Concordia)
Information and Systems Science
Feature-based Object Oriented Modelling (FOOM): Implementation of a Process to Extract and Extend Software Product Line Architectures

*** Yunlan Wang**
B.Eng. (Tsinghua, China)
Information and Systems Science
Using Simulation to Empirically Investigate Test Coverage Criteria Based on Statecharts

*** Yuxiao Wang**
B.Eng. (Tsinghua, China)
Information and Systems Science
The Deployment of Features in DFC/ECLIPSE

Jinhua Zhang
B.Sc. (Wuhan, China), Ph.D. (Texas A & M, U.S.A.)
Information and Systems Science
Performance Evaluation of Systems Built with Reusable Frameworks

*** Wei Zhang**
B.Eng. (Shanghai University of Engineering Science, China)
Information and Systems Science
Seeking a Hypergeometric Closed Form for Map Enumeration

Yaroslav Bezverkhnyev
B.Sc. (Carleton)
Mathematics
On a Sum of Cubes of Degrees of Irreducible Complex Characters

Meredith Franklin
B.Sc. (McGill)
Mathematics

*** Jing He**
B.Sc., M.Sc. (Wuhan University of Technology, China)
Mathematics

Brian E. Hutton
B.Sc. (Carleton)
Mathematics

*** Sawsan Kobaisy**
B.A., B.Math. (Carleton)
Mathematics

*** Xiaoqi Lan**
B.Eng. (Tongji, China)
Mathematics

Mathieu Lemire
B.Sc. (Montreal)
Mathematics
Number of Classes of Solutions of the Equation $X^2 - Dy^2 = 4E$

Dong Ouyang
B.Eng. (Beijing Polytechnic), M.Sc. (Carleton)
Mathematics

*** Stephen Savard**
B.Math. (Carleton)
Mathematics
The Average Complexity of the Euclidean Algorithm and Hyperelliptic Cryptography

*** Daming Xu**
B.Sc., M.Sc. (Zhengzhou, China)
Mathematics

Xiaohua Ye
B.Sc. (Zhejiang, China)
Mathematics

Chaohui Zhang
B.Sc. (Sichuan, China)
Mathematics

Ge Zhang
B.Sc. (Beijing Normal, China), M.Sc. (Wuhan Seismology Institute, China)
Mathematics

Elena Mihaela Olariu
B.Sc. (West University of Timisoara, Romania)
Physics
Specialization in Medical Physics
Monte Carlo Studies of the Magnetic Resonance Diffusion Decay

*** Carla Levac**
B.Sc. (Carleton)
Psychology
Specialization in Neuroscience
Validation of a Simple, Ethologically Relevant Paradigm for Assessing Anxiety in Mice

*** Lesley Jane Ritchie**
B.A. (Regina)
Psychology
Specialization in Neuroscience
Effect of Chronic Mild Stress on the Neural Consequences of Permanent Bilateral Common Carotid Artery Occlusion

Master of Computer Science

(presented by Professor A. Mingarelli, Associate Dean of the Faculty of Graduate Studies and Research)

Degrees conferred at Spring Convocation are awarded by Senate in February and in June. Degrees awarded in February are denoted by an asterisk (*)

*** Véronique-Elise Audet**
B.Math. (Carleton)
Automatic Seed Detection in On-Line Portal Images for Prostate Treatment

*** Yanxiao Chen**
B.B.A. (Wisconsin-Eau Claire, U.S.A.), M.B.A. (Ottawa)
Scheduling on Web Servers

*** Maged Elsayed Elaasar**
B.Sc. (American University in Cairo, Egypt)
XSTP: eXtended Satellite Transport Protocol

*** Amr Ellaithy**
B.Sc. (American University in Cairo, Egypt)
Learning Automata Solutions to Enhancing Optimal Search for Unknown Target Distributions

*** Mahmoud Mohamed Elsayes**
B.Eng. (Cairo, Egypt), M.Sc. (Newcastle Upon Tyne, U.K.), Cert. (American University in Cairo, Egypt)

*** Ying Ge**
B.Eng., B.Sc. (Shanghai, China)
Quality-of-Service Routing in Ad-Hoc Networks Using OLSR

*** Judy Neva Green**
B.C.S. (Acadia)
Managing Group Development: A Pattern Language for Growing and Maintaining Highly Effective Groups

*** Chris McDonald**
B.Sc. (Carleton)
Hand Interaction in Augmented Reality

*** Abha Mittal**
B.Sc., M.Sc. (Delhi, India)
Dynamic Versus Static Locking in Real-Time Parallel Database Systems

*** Ahmed Mohamed Abdel-Khalek Moustafa**
B.Comm. (Helwan, Egypt), Adv. Prof. Cert. (American University in Cairo, Egypt)
TCP Over Mobile Ad-Hoc Access Networks

*** Qiang Zhao**
B.Sc. (Northwest Normal, China), M.Sc., Ph.D. (Nankai, China)

Jing Chen
B.Eng. (Northern Jiaotong, China)
On Utilizing New Histogram-Based Methods for Query Optimization

Jiexin Luo
M.Sc. (McGill)
Global Context Information Transfer: One Way to Achieve Ubiquitous Service Access

Hesham Sami Saadawi
B.Sc. (Ain Shams, Egypt)

Bachelor of Science (with Honours)

(presented by Professor J.-G. Godin, Dean of the Faculty of Science)

Degrees conferred at Spring Convocation are awarded by Senate in February and in June. Degrees awarded in February are denoted by an asterisk (*)

Mohamed Abu-Farha
Highest Honours in Biochemistry and Biotechnology

Faisal Al-Alim
Honours in Biochemistry

Gail Christine Alivio
High Honours in Environmental Science
Minor in Geography

Noel M. M. Allen
High Honours in Biology

Julie Laura Andrews
Highest Honours in Biology and Physical Geography

Marie-Hélène Beauchemin
Honours in Biology

Matthew Bell
Highest Honours in Biology

Joanne Márie Berghout
Highest Honours in Integrated Science Studies
Minor in Psychology

Agnieszka Bielecki
Highest Honours in Neuroscience

Timothy Boland
Honours in Computational Biology: Biodiversity

Jennifer Anne Born
High Honours in Biology and Biotechnology

*** Angela Gay Brommit**
B.A. (Carleton)
High Honours in Biology

Elizabeth M. Brownrigg
B.Sc. (Carleton)
Honours in Biology

Michèle Burkholder
Highest Honours in Geology

Catherine Burroughs
Highest Honours in Chemistry and Geology

Margaret Helen Caiger-Watson
High Honours in Biology

Rob A. Carter
Honours in Biology

Matthew James Chrysler
Honours in Applied Physics

Natalie L. Côté
Honours in Biology
Minor in Psychology

Ryan Steven Doherty
Honours in Biochemistry and Biotechnology

Pascal Jahan Elahi
Highest Honours in Applied Physics

Mohamed Elmufti
High Honours in Biology and Biotechnology

Crystal M. Ernst
Highest Honours in Biology

Miranda Dawn Foster
B.Sc. (Western Ontario)
Honours in Biology and Biotechnology

Erin Gagnon
Honours in Geography
Concentration in Physical Geography

Leah J. Gilbert
Highest Honours in Environmental Science
Minor in Economics

Peter A. Gregory
Honours in Biology

Farin Hassam
Honours in Biochemistry and Biotechnology

William Matthew Hendry
B.Sc. (Western Ontario)
High Honours in Biology and Biotechnology

Alison K. D. Henry
High Honours in Neuroscience

*** Ranga Srinath Jayakody**
Honours in Computational Chemistry

Laura S. Kenney
High Honours in Biology and Biotechnology

Adam G. Koziol
High Honours in Biology and Biotechnology

Nicolas W. R. Lapointe
High Honours in Environmental Science
Concentration in Biology

Chantale Laurie Lauzon
Honours in Biology and Biotechnology

Tara Louise Lawrence
Honours in Biology

Krista Lynes
High Honours in Biology
Minor in Psychology

David D. Macleod
Honours in Geology

Cheryl Louise MacPhee
Highest Honours in Chemistry
Computational Chemistry

Antonio J. G. Matias
Honours in Biochemistry and Biotechnology

Fernando M. G. Matias
Honours in Biochemistry and Biotechnology

Laurie McGregor
Highest Honours in Geography
Concentration in Physical Geography

Adam R. Moss
High Honours in Biochemistry and Biotechnology
Co-operative Education

Osama Moussa
B.Eng. (Cairo, Egypt)
Highest Honours in Applied Physics
Minor in Mathematics

Anna Musial
Honours in Biology

Rima Mutagi
High Honours in Integrated Science Studies
Minor in Psychology

Jeremy Jameyson Nichol
B.A. (Carleton)
High Honours in Biology

Jacques O. Niles
Honours in Biology and Biotechnology

Bita Noori
Highest Honours in Biochemistry and Biotechnology

Jonathan Pasher
Highest Honours in Geography
Concentration in Geographic Information Processing

Kristina Lucie Pek
High Honours in Biology

Luke Aimé Periard
Honours in Biochemistry

Karen Powell
Highest Honours in Biochemistry and Biotechnology

Priya Prakash
High Honours in Neuroscience

Lucas Murray Robertson
High Honours in Integrated Science Studies
Minor in Economics

Donna Rodney
Highest Honours in Psychology
Minor in Educational Linguistics

Rebekah Rooney
Highest Honours in Environmental Science

Jennifer Christine Roy
Highest Honours in Environmental Science
Minor in Geography: Resource and Environmental Assessment

Gregory Sidney Royston
Highest Honours in Environmental Science

Sharan Sahota
Honours in Neuroscience

Kristen Amber Sanderson
High Honours in Environmental Science

Dina Shafey
Highest Honours in Biochemistry and Biotechnology

Dion Shah
B.Sc. (Carleton)
Honours in Biochemistry and Biotechnology

Daniel Shugar
Highest Honours in Geography
Concentration in Physical Geography

*** Jerry Situ**
B.Sc. (Carleton)
Highest Honours in Statistics

Penelope J. Slight
Highest Honours in Biology

Laura Leigh Smallwood
Highest Honours in Environmental Science
Minor in Law

Siavash Solati
B.Sc. (Carleton)
Honours in Integrated Science Studies

Sara Thérèse St. James
High Honours in Mathematics and Physics

Rowan Fiona Mackenzie Thomson
Highest Honours in Mathematics and Physics

Graham B. Thurston
High Honours in Biology and Biotechnology

*** Jennifer Sara Mary-Ann Tulloch**
Highest Honours in Biology

Catherine Marie Wilson
Highest Honours in Psychology

Crystal Ann Wylie
High Honours in Neuroscience

Bachelor of Science

(presented by Associate Professor R.A. Shigeishi, Associate Dean of the Faculty of Science)

Degrees conferred at Spring Convocation are awarded by Senate in February and in June. Degrees awarded in February are denoted by an asterisk (*)

Adib Abou-Nehme
Computer Mathematics

Sonal C. Acharya
Biology
Minor in Psychology

Aisha Aghliw
Biology
Minor in Psychology

*** Antoine Allen**
Biology

Mathieu G. Blanchard
Integrated Science Studies

Jacob M. Campbell
Biology

Christopher Patrick Chapman
Chemistry

Byron Cotnam
Integrated Science Studies
Minor in Mathematics

Aisha Farah
Chemistry

Sahra Farah
Computational Chemistry

Alan Fleming
Biology

Laura Anne Jones
Biology

Jonathan Krebs
Geology

Paul David Larmand
Biology
Minor in Psychology

Samantha Diane Maneely
Biology
Minor in Psychology

*** D. Jamie Maskill**
Biology

Jacqueline Lee McDougall
Biology

*** Collin M. Mecke**
Biology

*** Gary Ng**
Computer Mathematics

Christopher C. Ocenar
Biochemistry

Bhavidra Pathmanathan
Biology

Stacey Darlene Petherick
Biology

Lisa Tracey Starkman
B.A. (Concordia)
Biology

Ian Taylor
Chemistry

Jarrett Phipps Todd
Biology

Dean A. Verbrugghe
Computer Mathematics

Crispin A. Wood
Biology

*** Vahid Yaghini**
B.A. (Carleton)
Biochemistry

Bachelor of Mathematics (with Honours)

(presented by Professor C.W.L. Garner, Director of the School of Mathematics and Statistics)

Degrees conferred at Spring Convocation are awarded by Senate in February and in June. Degrees awarded in February are denoted by an asterisk (*)

Amy Jean Cameron
Highest Honours

*** Claudia Canas**
with Honours
Minor in French

Tham Cao
B.Eng. (Carleton)
with Honours

Esteban Gomez-Riviere
Highest Honours
Minor in Philosophy

Erin Irene Hayhoe
Highest Honours
Computer Mathematics: Information Technology

*** Chintamani Joshi**
with Honours

*** Payam Khazanbaik**
Highest Honours
Specialization in Computing Theory and Numerical Methods
Co-operative Education

*** Kristina Mariam Lalonde**
with Honours
Minor in Business

*** Trinh Kim Thi Le**
with Honours
Co-operative Education
Minor in Economics

*** Terri Kimiko Oda**
B.Math. (Carleton)
Highest Honours
Specialization in Computing Theory and Numerical Methods
Co-operative Education

Thadshayini Sathyamoorthy
with Honours
Minor in Statistics

*** Ka Yi Avy Wong**
High Honours
Minor in Computer Science

Bachelor of Mathematics

(presented by Professor C.W.L. Garner, Director of the School of Mathematics and Statistics)

Degrees conferred at Spring Convocation are awarded by Senate in February and in June. Degrees awarded in February are denoted by an asterisk (*)

Charbel Abou Zeid
Computer Mathematics
Minor in Psychology

Mariam Ajar
Computer Mathematics
Minor in Psychology

Tamara Al-Mulla
Computer Mathematics

Aysha Mohamed Bassuny
Mathematics

*** Abeba Beshir**
B.Com. (Carleton)
Computer Mathematics

Daniel Troy Byers
Computer Mathematics

Matthew Charette
Computer Mathematics

*** Yen-Hsi Iris Chen**
Mathematics
Minor in Japanese

*** Cheng Wee Chew**
Mathematics

*** Chandra G. Copeland**
Mathematics

*** Kevin Douglas James Donovan**
Computer Mathematics

Vinayagamoorthy Elamegan
Statistics

Yasmin A. Godah
Computer Mathematics

Christopher P. Graham
Mathematics

Iman Haji Egeh
Computer Mathematics

*** Van Tran Ho**
Computer Mathematics

*** Ping-Huan Nathan Hsieh**
Mathematics

Nelson Muriuki Kabau
Computer Mathematics

*** Rajenthini Karthigesu**
Computer Mathematics

Najam S. Khan
Computer Mathematics

*** Yoon-Soon Kim**
Computer Mathematics

*** Ali-Reza Kousari**
Computer Mathematics

*** Krishnakumar Krishnapillai**
Computer Mathematics

Yan Nuan Lei
Statistics

Georgios Lianeris
Computer Mathematics

Meng-Li Cindy Lin
Statistics

Chun Kwong Lo
Statistics
Minor in Japanese

Denis Lu
Computer Mathematics

*** Giritharan Nadarajah**
Mathematics

Gayathri Nagalingam
Computer Mathematics

*** Koon Hang Ng**
Computer Mathematics

Giang Nguyen
Mathematics

*** Ha Nguyen**
Computer Mathematics
with distinction

Ngan Nguyen
Mathematics

*** Liban Osman**
Computer Mathematics

Amit Patel
Computer Mathematics

Lorne Ira Pearl
Computer Mathematics

Igor Plechtchenko
Computer Mathematics

Sabeshan Ramachandran
Computer Mathematics

Jijil Ramakrishnan
Mathematics

*** Brendan Rasmussen**
Computer Mathematics

Lars H. Ricaldi
Computer Mathematics

Derek Winston Rosebush
Computer Mathematics
Minor in Business

Omar Rustom
Computer Mathematics

Premala Santhiapillai
Computer Mathematics

Fidaa Sbaiti
Mathematics

Matthew Czeslaw Soltysiak
Computer Mathematics

Maciej Stachowiak
Computer Mathematics

Palasuthan Thanikasalam
Computer Mathematics

Bich Ngoc Thi Vo
Mathematics

*** Eric Yang**
Computer Mathematics

Cheryl Marie Young
Computer Mathematics

Hassan Ahmad Zeidan
Mathematics
with distinction

Bachelor of Computer Science (with Honours)

(presented by Associate Professor Michel Barbeau, Associate Director of the School of Computer Science)

Degrees conferred at Spring Convocation are awarded by Senate in February and in June. Degrees awarded in February are denoted by an asterisk (*)

Adam Aggour
Highest Honours

Andrew Anderson
Highest Honours

Mark Andrade
Highest Honours
Co-operative Education

Matthew S. Austin
with Honours

Jeffrey J. Bacon
High Honours
Co-operative Education
Minor in Business

Imraan Bashir
High Honours
Co-operative Education
Minor in Mathematics

*** Gabriel Bastien**
B.C.S. (Carleton)
Highest Honours

Jennifer Crawford Beggs
High Honours

Derek Edward Bradley
Highest Honours
Co-operative Education

Dan G. Calvert
Highest Honours

*** Lioubov Chama**
Acad. Print Dip. (Moscow Graphic Arts Institute, Russia)
with Honours

Christopher Chamely
with Honours
Minor in Economics

Corey William Clarke
with Honours

Brian A. Clow
with Honours

Martin Daniel Cooney
Highest Honours

Christopher D. Cooper
with Honours

Andrew M. Cox
High Honours
Minor in Business

Olivier A. Dagenais
Highest Honours

*** Rose de Guzman**
High Honours

Evan Debs
High Honours
Co-operative Education

*** Ye Deng**
B.C.S. (Carleton)
Highest Honours
Co-operative Education
Minor in Psychology

Benoit Deshaies
High Honours

Jeffrey S. Dever
High Honours

Marko Dinic
with Honours
Minor in Mathematics

*** Alina Andreea Dusa**
High Honours

David Andrew Easton
Highest Honours
Co-operative Education

Brian Thomas Estey
Highest Honours
Co-operative Education

Scott Paul Finlay
with Honours
Co-operative Education
Minor in Mathematics

*** Kyle J. Girard**
with Honours
Minor in Mathematics

*** Harpreet Kaur Gosal**
with Honours
Minor in Mathematics

Jonathan Paul Groenewegen
High Honours
Co-operative Education

*** Dexiang Gu**
B.Agronomy (Henan Agricultural University, China)
with Honours
Co-operative Education

Arezoo Haghandish
Highest Honours

*** Benjamin M. Hall**
High Honours
Co-operative Education
Minor in Business

James L. Helferty
High Honours
Co-operative Education
Minor in Mathematics

Yuan-Ting Heng
with Honours
Minor in Japanese

Christopher Henry
with Honours
Minor in Business

Brian D. Herron
Highest Honours
Co-operative Education
Minor in Mathematics

Jeff S. Hiltz
with Honours
Minor in Business

*** Michael Hodge**
with Honours
Minor in Mathematics

*** Nathan Hollingsworth**
with Honours

Kenneth Huu Huynh
Highest Honours
Co-operative Education
Minor in Mathematics

Tony Jr. Iacobucci
with Honours
Minor in Business

Peter Ilioukevitch
B.Sc. (Minsk State Paedagogical Institute, Belarus)
with Honours

Daniel Janulewicz
Highest Honours

Huyn-Chung Jo
with Honours

Darren Thomas Johnson
with Honours

Nicholas Demetrios Kafenzakis
High Honours
Minor in Mathematics

Robert Cameron Kane
Highest Honours
Co-operative Education
Minor in Economics

S. Elaine Kerr
Highest Honours
Co-operative Education

Jeremy Ka-Voon Kong Win Chang
High Honours

Greg D. Lanthier
with Honours

*** Rafal Lawrukiewicz**
with Honours
Minor in Mathematics

*** Markus Lemm**
with Honours

*** Benhong Li**
B.Eng. (Shanghai University of Science and Technology, China)
Highest Honours

Chris Linseman
High Honours
Co-operative Education
Minor in Mathematics

*** Jia Liu**
High Honours

*** Yaping Luo**
High Honours

Steven Lusk
with Honours

*** Chunyan Ma**
B.A. (Zhongnan Institute of Nationalities)
High Honours

Nolan Alexander M^{ac}Afee
with Honours
Co-operative Education
Minor in Mathematics

*** Xuong Trung Mai**
High Honours
Co-operative Education
Minor in Mathematics

Robert Manor
with Honours
Minor in Mathematics

Sadique Maredia
with Honours
Minor in Mathematics

Darren G. Mason
with Honours

Suhayl Amir Masud
with Honours

*** Tobin M^{c}Clean**
B.C.S. (Carleton)
Highest Honours
Co-operative Education

Kenneth Mark M^{c}Weeny
with Honours
Minor in Psychology

Brett A. Melbourne
with Honours
Minor in Mathematics

Gregory L. S. Mitchell
B.A. (Queen's)
Highest Honours
Co-operative Education

*** Wai Sum Mok**
with Honours

Khai Nghiem
Highest Honours

Ryan Michael North
Highest Honours
Minor in Film

Mark Joseph Northcott
Highest Honours
Co-operative Education
Minor in Mathematics

Andrey Orobinsky
with Honours

Chad Jay Outwater
High Honours
Co-operative Education
Minor in Mathematics

Andrew John Pantalone
B.A. (Carleton)
High Honours

Simon C. Parham
Highest Honours
Co-operative Education
Minor in Economics

Matthew Alexander Plaumann
High Honours
Co-operative Education

Douglas Pollock
Highest Honours
Co-operative Education
Minor in Mathematics

Sean Robert John Reid
Highest Honours
Minor in Mathematics

Timothy Francois Renczes
Highest Honours
Minor in Business

Stephen Charles Retchford
High Honours

Gregory Lloyd Roeske
High Honours
Co-operative Education

Qiong Ruan
High Honours
Co-operative Education

*** Asad Basheer Sayeed**
B.C.S. (Carleton)
Highest Honours
Co-operative Education

Asad Ahmed Sheikh
High Honours
Minor in Economics

*** Paul A. Sheridan**
with Honours

Crystal L. Sirard
with Honours
Minor in Mathematics

Jason St-Cyr
High Honours
Co-operative Education

Raheemuddin Syed
B.Eng. (Osmania, India)
with Honours

Varun Tangri
High Honours

Adam Stephen Taylor
with Honours
Co-operative Education

Ryan D. Taylor
Highest Honours
Minor in Mathematics

Brian Tong
with Honours

Phong Tran
with Honours
Minor in Mathematics

Thi Thanh Hong Tran
with Honours
Co-operative Education
Minor in Mathematics

* **Menh Voong**
B.C.S. (Carleton)
with Honours
Co-operative Education
Minor in Mathematics

Sarah-Jane Elizabeth Whittaker
Highest Honours
Co-operative Education
Minor in Mathematics

Christine Wu
High Honours
Co-operative Education
Minor in Business

Blair Lee Yakimovich
with Honours
Co-operative Education

* **Cassandre Yip**
with Honours

Fenqiang Zhuang
M.Eng. (University of Science and Technology, Beijing, China)
High Honours
Co-operative Education

The following additions or corrections were made by Senate after publication of the 2002 Fall Convocation Program

Bachelor of Arts (with Honours)

Shawn Michael James Bedard
Law

Bachelor of Arts

Sarah Dalby
Sociology and Anthropology

Mitchell Gauzas
Political Science

Melanie Lithwick
Political Science

Craig L. Pellerin
Biology and Psychology

Thomas David Pincombe
Psychology

Tricia Sadowski
History and Theory of Architecture

E. Ryan Shillington
Political Science
Minor in History

Medallists in the Graduating Class

The Governor General's Medal – Bachelor's Level
Awarded annually to the student standing at the head of the graduating class at the bachelor's level.
Donor: Her Excellency the Governor General of Canada

Jerry Situ
Bachelor of Science (Honours)
Statistics

The Chancellor's Medal
Awarded annually in the name of the Chancellor of the University to a graduating student of outstanding academic achievement.

Rowan Fiona Thomson
Bachelor of Science (Honours)
Mathematics and Physics

The President's Medal
Awarded annually in the name of the President of the University to the student with the highest standing in a general degree program of studies.

Adam John Hartling
Bachelor of Arts
Criminology and Criminal Justice (Law)

University Medal for Outstanding Graduate Work – Ph.D. Level
Awarded, when merited, for outstanding graduate work at the doctoral level.

Samuel Scott
Cognitive Science

University Medal for Outstanding Graduate Work – Master's Level
Awarded, when merited, for outstanding graduate work at the master's level.

Sinan Tasdoken
Master of Applied Science
Electrical Engineering

University Medals (Undergraduate)
Awarded annually, when merited, to the graduating students standing highest in architecture, architectural studies, arts, commerce, computer science, engineering, humanities, industrial design, interfaculty studies, international business, journalism, mathematics, music, public administration, public affairs and policy management, science, and social work.

University Medal in Interfaculty Studies
Marcie E. Penner-Wilger
Bachelor of Arts (Honours)
Cognitive Science

University Medal in Arts
Julie Astrid McIssac
Honours Music

Emily Jane Rothwell
Honours Art History

University Medal in Science
Catherine Burroughs
Honours Chemistry and Geology

University Medal in Mathematics
Erin Irene Hay Hoe
Honours Computer Mathematics

Esteban Gomez-Riviere
Honours Mathematics

University Medal in Computer Science
Tobin McClean

University Medal in Engineering
Mark David DeAbreau
Computer Systems

University Medal in Architectural Studies
Tommy R. Bonhomme

University Medal in Industrial Design
Marcel Naegelkraemer

University Medal in Humanities
Erik H. Stephenson

University Medal in Public Affairs and Policy Management
Scott M. Fitzsimmons

Senate Medals
Awarded, when merited, to graduating students of outstanding academic achievement.

Doctoral Level

Vijaya Kumar Devabhaktuni
Electrical Engineering

Kendra Danielle Delveaux
Psychology

Vahid Dabbaghian-Abdoly
Mathematics

Master's Level

Dharmendra Saraswat
Electrical Engineering

An Ngo Quynh
Economics

Xuemei Li
Linguistics

Undergraduate Level

Fiona Jennifer Grace Shearer
Bachelor of Engineering
Electrical

Daniel Joseph Olszewski
Bachelor of Engineering
Communications

Sawitri Mardyani
Bachelor of Engineering
Electrical

Gregory L.S. Mitchell
Bachelor of Computer Science

Asad Basheer Sayeed
Bachelor of Computer Science

Michael Gordon
Bachelor of Engineering
Communications

Benhong Li
Bachelor of Computer Science

Mark Philip Houlgate
Bachelor of Engineering
Electrical

Pascal Jahan Elahi
Bachelor of Science (Honours)
Applied Physics

Andrew Allan Bryan Cameron Rader
Bachelor of Engineering
Aerospace

Celine Emmanuelle Marie Fletcher
Bachelor of Engineering
Electrical

Wie-Yen Andrea Lu
Bachelor of Engineering
Electrical

Victoria Lee Pearson
Bachelor of Humanities

Karen Powell
Bachelor of Science (Honours)
Biochemistry and Biotechnology

John Daly
Bachelor of Engineering
Computer Systems

Kevin Tyler Wolfram
Bachelor of Engineering
Aerospace

Gabriel Bastien
Bachelor of Computer Science

Alexandre F. Sauvé
Bachelor of Engineering
Computer Systems

Daniel Janulewicz
Bachelor of Computer Science

Derek Edward Bradley
Bachelor of Computer Science

Wael Akram H. Mahmoud
Bachelor of Engineering
Communications

Meredith Lyn Foot
Bachelor of Arts (Honours)
Psychology

Gavin Francis Rolleston
Bachelor of Engineering
Computer Systems

Kristin Talinn Rebecca Cavoukian
Bachelor of Arts (Honours)
Political Science

Catherine Marie Wilson
Bachelor of Science (Honours)
Psychology

Tal Yarkoni
Bachelor of Arts (Honours)
Psychology

Kerry Jean Watson
Bachelor of Arts (Honours)
Criminology and Criminal Justice (Law)

Natalie V. Klostranec
Bachelor of Engineering
Aerospace

Trevor Bryan Mahy
Bachelor of Humanities
Humanities and Classics and Religion

Aaron K. Knoll
Bachelor of Engineering
Aerospace

Elizabeth Anna den Otter
Bachelor of Engineering
Aerospace

Man-Yee Sun
Bachelor of Engineering
Computer Systems

Sarah-Jane Elizabeth Whittaker
Bachelor of Computer Science

Stephen Christopher Kenny
Bachelor of Engineering
Aerospace

Mark William Wyville
Bachelor of Engineering
Aerospace

Heather A. Pincock
Bachelor of Humanities

Amy Jean Cameron
Bachelor of Mathematics (Honours)
Mathematics

Marc Robert Joseph Charest
Bachelor of Engineering
Mechanical

Camillia Eve Kong
Bachelor of Arts (Honours)
History and Political Science

Louise A. St. Germain
Bachelor of Engineering
Electrical

John Ernest Kain
Bachelor of Arts
Criminology and Criminal Justice (Psychology)

Christopher O'Connor
Bachelor of Arts (Honours)
Criminology and Criminal Justice (Sociology)

Rebekah Rooney
Bachelor of Science (Honours)
Environmental Science

Sheila F. Mungall
Bachelor of Arts (Honours)
English

Heather Jeanne Clark
Bachelor of Arts (Honours)
Criminology and Criminal Justice (Psychology)

Blake Anthony Mervel Hamilton
Bachelor of Arts
History

Michael A. Robillard
Bachelor of Arts
Criminology and Criminal Justice (Psychology)

Xulei Chen
Bachelor of Commerce

Melanie D.M. Coughlin
Bachelor of Humanities

Ivano Veltri
Bachelor of Commerce

Wen Jiang
Bachelor of Engineering
Electrical

Natalie Michelle Nakhla
Bachelor of Engineering
Communications

Megan Dianne Graham
Bachelor of Arts (Honours)
English

Heather Ann Ladd
Bachelor of Arts (Honours)
English

Johanna Macdonald
Bachelor of Arts (Honours)
Criminology and Criminal Justice (Psychology)

Jonathan Michael Hinds
Bachelor of Journalism
Journalism and Philosophy

B. Andrew Bruce
Bachelor of Engineering
Aerospace

Sheela Subramanian
Bachelor of Arts (Honours)
Geography and Political Science

June Elizabeth Glennie
Bachelor of Arts (Honours)
Psychology

Jaime Elisabeth Gosar
Bachelor of Arts (Honours)
Criminology and Criminal Justice (Law)

Douglas Pollack
Bachelor of Computer Science

Jean-Philippe Davignon
Bachelor of Engineering
Aerospace

Shaun W. Brown
Bachelor of Public Affairs and Policy Management

Terri Kimiko Oda
Bachelor of Mathematics (Honours)
Computer Science and Mathematics

Mark Joseph Northcott
Bachelor of Computer Science

Alice Anastasia Mah
Bachelor of Arts (Honours)
European and Russian Studies

Brian J. Henderson
Bachelor of Engineering
Environmental

Rachel Julie Halperin
Bachelor of Journalism

Kavita Girish Patel
Bachelor of Engineering
Electrical

Andrew Thoe Yee Soon
Bachelor of Engineering
Electrical

Maria Scaffidi Argentina
Bachelor of Commerce

Patrick George Rideout
Bachelor of International Business

Ye Deng
Bachelor of Computer Science

Michelle Denise Doblanko
Bachelor of Journalism
Journalism and Mass Communication

Shannon Michael Borho
Bachelor of Engineering
Computer Systems

Scott Hasson
Bachelor of Engineering
Computer Systems

Angela Tirabasso
Bachelor of Arts
Geography

Linsey Sherman
Bachelor of Arts (Honours)
Political Science

Casey-Jo Angela Timson
Bachelor of Arts (Honours)
English and Psychology

Stephen R. Turpin
Bachelor of Humanities

Philip John Pothen
Bachelor of Arts (Honours)
Biology and Law

Agnieszka Bielecki
Bachelor of Science (Honours)
Neuroscience

S. Elaine Kerr
Bachelor of Computer Science

Laura Casey Foss
Bachelor of Arts (Honours)
Psychology

Jason Markusoff
Bachelor of Journalism
Journalism and English

Colleen Bailey
Bachelor of Arts (Honours)
English

David Pizer
Bachelor of Journalism

Louisa-Joan Everitt
Bachelor of Arts (Honours)
Canadian Studies and History

Michael Raymond Hildebrand
Bachelor of Engineering
Aerospace

Laura Leigh Baker
Bachelor of Arts
Law

Taslim Madhani
Bachelor of Humanities

Kerry Wells
Bachelor of Arts (Honours)
Psychology

Clifford John Joseph Dugal
Bachelor of Engineering
Engineering-Physics

Gillian Lorraine Reed
Bachelor of Arts (Honours)
Directed Interdisciplinary Studies

Cheryl Lynn Chabot
Bachelor of Public Affairs and Policy Management

Lisa M. Turriff
Bachelor of Journalism

Matthew James Oleynik
Bachelor of Journalism

CP128

121st Convocation

Saturday, June 14, 2003

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